

Message Text

CONFIDENTIAL

PAGE 01 TAIPEI 06723 070829Z

55

ACTION SCI-06

INFO OCT-01 EA-11 ISO-00 DODE-00 PM-07 CIAE-00 INR-10

NSAE-00 RSC-01 DRC-01 /037 W
----- 052783

R 070802Z NOV 73

FM AMEMBASSY TAIPEI
TO SECSTATE WASHDC 0157

C O N F I D E N T I A L TAIPEI 6723

E.O. 11652: GDS

TAGS: MCAP, TECH, TW

SUBJECT: CHUNG SHAN SCIENTIFIC INSTITUTE ACQUIRING SOPHISTICATED
ELECTRONIC INTERCEPT SYSTEM

REF: TAIPEI 3636

1. SCIENCE ADVISER AND DAO MET RECENTLY WITH MOSES C. LONG,
AMERICAN OF CHINESE ANCESTRY WHO IS NOW RESIDENT IN TAIPEI AS
CONSULTANT ON MICROWAVE APPLICATIONS TO ROC MINISTRY OF NATL
DEFENSE AND TO CHUNG SHAN SCIENTIFIC INSTITUTE (CSSI). AT
CSSI, LONG APPARENTLY IS CONSULTING ON ELECTRONIC INTERCEPT
SYSTEMS.

2. THROUGH EARLIER CONTACTS WITH STANFORD UNIVERSITY, LONG
WAS AWARE OF WORK BEING DONE BY ARGOS CORPORATION, A SPIN-OFF
FROM STANFORD, WHICH HAS BEEN DEVELOPING A 360 DEGREE, FULL
FREQUENCY, FULLTIME INTERCEPT SYSTEM. HEART OF THE SYSTEM IS
A PHASE AND FREQUENCY DISCRIMINATOR, REPORTEDLY DEVELOPED BY
UK NATIONAL. ACCORDING TO LONG, CSSI HAS PURCHASED AND RE-
CEIVED DELIVERY OF RECEIVER (COVERING A PORTION OF THE
MICROWAVE SPECTRUM OF INTEREST) WHICH IS HEART OF THE
SYSTEM. A MR. DICKSON PRENTISS, DIRECTOR OF INTERNATIONAL
MARKETING OF ARGOS, HAS VISITED TAIPEI TO CONSULT WITH
CSSI ON THE EQUIPMENT AND HAS TALKED TO CSSI ABOUT PUR-
CHASE OF ONE OR MORE COMPLETE SYSTEMS. PRENTISS HAS RE-
TURNED TO US BUT ACCORDING TO LONG, CSSI HAS ASKED FOR
PRICE QUOTE FOR FIVE RECEIVERS TO COVER THE 1-18GHZ
CONFIDENTIAL

CONFIDENTIAL

PAGE 02 TAIPEI 06723 070829Z

SPECTURM, PLUS ENGINEERING TO INTERFACE WITH MANUAL SET

THEY ALREADY HAVE. LONG SAYS CSSI EQUIPMENT WAS SHIPPED
UNDER PROPER EXPORT PERMIT ISSUED BY DEPARTMENT.

3. COMPLETE SYSTEM, COSTING ABOUT DOLS 350,000, HAS CAPABILITY,
THROUGH A PROGRAMMABLE COMPUTER, OF SORTING OUT AND RE-
JECTING SIGNALS OF NO INTEREST AND PRESENTING RESIDUE ON
A POLAR CATHODE RAY TUBE WITH CR TUBE PRINT-OUT OF CON-
SIDERABLE INFORMATION ON CHARACTERISTICS OF SIGNALS OF
INTEREST. LONG STATES ROC NAVY WANTS SUCH EQUIPMENT FOR
SHIPBOARD USE. WHEN SCI ADVISER VISITED CSSI RECENTLY, HE
NOTED PERSONNEL OF ELECTRONICS LAB WERE ATTEMPTING TO IMPROVE
OUTDATED INTERCEPT EQUIPMENT ACQUIRED FROM USS NEW JERSEY).

4. ASSUMING LONG'S INFORMATION CORRECT, AND HE GIVES EVERY
APPEARANCE OF BEING KNOWLEDGEABLE AND EXPERIENCED IN MICRO-
WAVE FIELD, CSSI SEEMS TO HAVE IN HAND THE HEART OF AN
ADVANCED, SOPHISTICATED ELECTRONIC INTERCEPT SYSTEM.
SUCH EQUIPMENT, OR PERIPHERALS NEEDED TO SET UP COMPLETE
SYSTEM, PROBABLY ARE ALSO AVAILABLE FROM NON-US SOURCES.
WHILE RECEIVER UNDOUBTEDLY IS QUITE COMPLEX, SCI ADVISER
BELIEVES CSSI HAS COMPETENCE TO COPY IT.

5. BACKGROUND ON LONG: MIT GRADUATE IN ELECTRONICS IN
EARLY 1940S', SERVED ABOUT FOUR YEARS WITH ARMY SIGNAL
CORPS; TEN YEARS (1946-55) WITH OFFICE OF NAVAL RESEARCH;
FIVE YEARS WITH HUGHES, CULVER CITY: THEN WITH SMALL FIRM,
MICROWAVE ELECTRONICS, LATER BOUGHT OUT BY TELEDYNE.
MCCONAUGHEY

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptoning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: ELECTRONIC EQUIPMENT, IMPORTS, MICROWAVE EQUIPMENT, RADIO FREQUENCIES
Control Number: n/a
Copy: SINGLE
Draft Date: 07 NOV 1973
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: golinofr
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1973TAIPEI06723
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Film Number: n/a
From: TAIPEI
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1973/newtext/t19731148/aaaabjey.tel
Line Count: 89
Locator: TEXT ON-LINE
Office: ACTION SCI
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators:
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: TAIPEI 3636
Review Action: RELEASED, APPROVED
Review Authority: golinofr
Review Comment: n/a
Review Content Flags:
Review Date: 21 NOV 2001
Review Event:
Review Exemptions: n/a
Review History: RELEASED <21-Nov-2001 by kelleyw0>; APPROVED <14-Dec-2001 by golinofr>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: CHUNG SHAN SCIENTIFIC INSTITUTE ACQUIRING SOPHISTICATED ELECTRONIC INTERCEPT SYSTEM
TAGS: MCAP, TECH, TW, CSSI, CHUNG SHAN SCIENTIFIC INSTITUTE, (LONG, MOSES C)
To: STATE
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005